

2. (Once Amended) A golf ball according to claim 1, wherein the identification device is a radio frequency identification device.

3. (Once Amended) A golf ball according to claim 1, wherein the coded element is mounted in a plate, with the aerial being formed by a coil arranged on one face of the plate and the diaphragm being arranged on the opposite face of the plate.

4. (Once Amended) A golf ball according to claim 1, wherein the coded element is a chip which is connected to the diaphragm.

5. (Once Amended) A golf ball according to claim 4, wherein the aerial is separately connected to the diaphragm.

6. (Once Amended) A golf ball according to claim 1, wherein the diaphragm is heat conductive.

7. (Once Amended) A golf ball according to claim 6, wherein the diaphragm is steel.

8. (Once Amended) A method of manufacturing a golf ball incorporating an identification device, the method comprising the steps of:  
molding the identification device in a capsule member,  
placing the capsule member between two parts of a ball core,  
adhering the ball core parts to each other around the capsule member, and  
providing the thus-formed core with a covering, wherein means for protecting the identification device from the effects of impacts are molded in the capsule member.

9. (Once Amended) A method according to claim 8, wherein the core parts form a core of cuboid shape and are subsequently processed to have a spherical shape.